



TECHNICAL MEMORANDUM

TO: Lynda Deschambault, U.S. EPA
FROM: Mike Johnson, P.E.
SUBJECT: March 20, 2017 – LAS Field Observations, Leviathan Mine Site
DATE: March 22, 2017

Introduction

This Technical Memorandum has been prepared by Copper Environmental Consulting (CEC) to summarize Limited Access Season (LAS) field observations conducted on March 20, 2017 at the Leviathan Mine Site. No observations were made of the Leviathan Creek culvert located downstream of the beaver dam / beaver pond complex because personnel did not travel to the site via the Nevada access road.

Acid Drainage Storage Ponds Capacity

Water levels in Pond 1, Pond 2S, Pond 2N, and Pond 3 are being actively managed by the Lahontan Regional Water Quality Control Board (LRWQCB). Pond conditions are shown in Photographs 1 through 5.

Pond 4 shows approximately 2.4 feet of freeboard, which equates to approximately 482,000 gallons of available storage.



Photograph 1: Pond 1



Photograph 2: Pond 2S



Photograph 3: Pond 2N



Photograph 4: Pond 4



Photograph 5: Pond 4 Staff Gauge

Beaver Dam Conditions

Field observations of the Leviathan Creek culvert downstream of the beaver dam / beaver pond complex were not conducted during the March 20, 2017 site visit. Atlantic Richfield personnel accessed the site via Highway 89 (Monitor Pass) and did not travel past the culvert when accessing the site.